

The South African Weather Service (SAWS) is a Section 3(a) public entity under the Ministry of Environment, Forestry and Fisheries (DEFF) and is governed by a Board. The organisation is an authoritative voice for weather and climate related services in South Africa and is a member of the World Meteorological Organisation (WMO) to fulfil a range of international obligations of the government. South African Weather Service (SAWS) strives to be a Weather and Climate Centre of Excellence providing innovative solutions to ensure a weather-smart region, sustainable development and economic growth.

The South African Weather Service (SAWS) is therefore seeking to appoint an efficient and enthusiastic person to undertake the role of:

Senior Scientist: Software Maintenance
Salary: (Total Package Negotiable)
Ref: WS02/022022
Centre: Centurion

Job Summary:

Provide support to the Research and Marine departments ensuring that numerical models, pre-processing and postprocessing software needed to run the models, as well as software needed to develop products are running efficiently.

Key performance areas:

- Work with research and ICT teams supporting technical and computational infrastructure
- Maintain and update relevant compilers, dependencies and data streams in support of research and production activities
- Play a supporting role in the development, installation, upgrading or maintenance of the scientific systems relevant to all modelling systems at SAWS.
- Assist in evaluating research needs and advice in computational infrastructure and software needs of SAWS, in line with international standards, practices and developments
- Assist with data management activities including archiving and ensuring that the data policies of SAWS are adhered to.
- Support the analysis of large datasets related to weather, climate and applications research
- Provide support to research programmes, projects or activities related to computational and software maintained in Research

- Provide support on the development of products and processes in support of the SAWS services
- Participate in the support of relevant operational and/or meteorological systems
- Participate in all activities related to the implementation and/or maintenance of the SAWS TQM system

Required Minimum Education / Training:

- A Master's degree preferably in one of the following disciplines:
 - Data Science
 - Computer Science
 - Information Technology
 - Information Systems
- Appropriate certification

Required Minimum Experience:

- Systems admin experience
- Proficient in implementing, maintaining, and upgrading programming, scripting, and relevant environmental sciences software, e.g., Python, R, Fortran, C++, MATLAB, and/or Julia.
- Proficient in server maintenance and implementation and dependency control and upgrades of relevant codes as requested by users.
- Knowledge of database management systems, data modelling, and experience with related tools.
- Knowledge of high-performance computing environment
- Proficient in development of good-practices (well-structured, modular code) and version control tools (e.g., git)
- Familiarity of earth system data sets and multi-dimensional data formats would be an advantage

Enquiries for the above-mentioned positions must be directed to: Ms Thembisa Bixa, at Tel. (012) 367 6208.

Please Note:

Register as user on our website using this link: <https://www.weathersa.co.za/home/vacancies> to apply for the above position and upload your (Comprehensive CV with certified copies of qualifications).

Closing Date: 15 February 2022

Preference will be given to People living with disabilities in line with SAWS EE targets.

This is an EE position and preference will be given to females, Africans, Indians and Coloureds (AIC). Correspondence will be limited to short listed candidates only. Candidates who have not been contacted within 3 months after the closing date of this advertisement, please accept that your application was unsuccessful. The organisation reserves the right not to fill this position. South African Weather Service is an equal opportunity employer.



Record Reference	HCM-ADVERT- (Ref.WS02/022022)
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